

*ABSTRACT AMENDMENTS*

Replace the Abstract with:

A wind power generation system capable of outputting ~~a~~ generated power at high efficiency ~~and smoothing with a smoothed~~ output power includes a wind power generator and a laser aerovane mounted on the wind power generator or ~~arranged located~~ near the wind power generator. Direction and velocity of ~~a~~ wind blowing toward the wind power generator are observed ~~in advance~~ using the laser aerovane, and a yaw angle and/or a pitch angle of the wind power generator is predicted and controlled based on the observation results. Thus, high-efficiency ~~operation~~ control of the wind power generation system, including the wind power generator, is ~~carried out achieved~~. An output-smoothing device connected to the wind power generator ~~is arranged to predict predicts and control controls~~ electric power input/output ~~amount~~ of the output-smoothing device based on a predicted power output ~~value~~ of the wind power generator and ~~smooth smoothes the power~~ output of the ~~whole~~ wind power generation system.